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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Stephen R. Lawrence

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EXAMINER

AL HASHEMI, SANA A

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DELIVERY MODE

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/814,908	Applicant(s) LAWRENCE ET AL.	
	Examiner Sana Al-Hashemi	Art Unit 2164	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 April 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 40-79 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 40-79 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>1/8/08</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This action is issued in response to amendment filed 4/21/07.

Claims 1-39 were canceled. Claims 40-79 were added.

Claims 40-79 are pending.

Claim Rejections - 35 USC § 102

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 40-79 are rejected under 35 USC 102(e) as being anticipated by Subramaniam et al (Subramaniam hereinafter) US Patent Application Publication No. 2007/0208697 filed June 18, 2001.

Regarding Claims 40, 57, and 69, Subramaniam discloses a method for generating multiple implicit search queries comprising:

identifying a plurality of events responsive to monitoring user input to a client device (Fig. 1, 100, Subramaniam);

identifying a plurality of user-context attributes based at least in part on the plurality of events (Fig. 4, 405, Subramaniam);

generating a plurality of search queries comprised of terms, wherein the terms are based at least in part on the plurality of user-context attributes (Fig. 6, 620, Subramaniam);

receiving a plurality of search results generated responsive to the plurality of search queries (Fig. 6, 625, Subramaniam); and

updating a display of search results responsive to receiving the plurality of search results (Fig. 7, 715, Subramaniam).

Regarding Claims 41, and 70, Subramaniam discloses a method wherein user input to the client device is comprised of changes in a position of a cursor on the client device (Fig. 21, Subramaniam).

Regarding Claims 42, and 71, Subramaniam discloses a method wherein user input to the client device is comprised of user interactions with applications on the client device (Fig. 4, 415, Subramaniam).

Regarding Claims 43, and 72, Subramaniam discloses a method wherein monitoring user input to the client device further comprises monitoring multiple types of user input (Fig. 2, 200, Subramaniam).

Regarding Claims 44, and 73 Subramaniam discloses a method wherein identifying the plurality of user-context attributes further comprises extracting a term from a least a first event of the plurality of events (Fig. 6, 615, Subramaniam).

Regarding Claims 45, and 73, Subramaniam discloses a method wherein extracting the term from the first event comprises identifying content unique to the first event and extracting the term from the content (Fig. 6, 625, Subramaniam).

Regarding Claim 46, Subramaniam discloses a method wherein extracting the term from the first event comprises identifying a part of speech associated with the term based on analysis of text from the first event (Fig. 7, 710, Subramaniam).

Regarding Claims 47, and 74, Subramaniam discloses a method wherein identifying the plurality of user-context attributes further comprises generating a term measure based on at least

a first frequency that the extracted term occurs in at least one of the first event and an index of content (Fig. 9, 910, Subramaniam).

Regarding Claims 48, and 76, Subramaniam discloses a method wherein generating the plurality of search queries comprised of terms further comprises generating a plurality of search queries comprised of terms selected responsive at least in part to the term measure (Fig. 10, 1015, Subramaniam).

Regarding Claims 49, 63, and 74, Subramaniam discloses a method wherein generating the plurality of search queries comprised of terms further comprises:

identifying for a user, a user profile comprised of a plurality of attributes; identifying a search term based at least in part on the plurality of attributes (Fig. 18, 1810, Subramaniam); and generating a search query based at least in part on the search term (Fig. 18, 1825, Subramaniam).

Regarding Claim 50, Subramaniam discloses a method further comprising storing the user-context attributes, and wherein identifying the plurality of user-context attributes further comprises identifying a stored previous user-context attribute (Fig. 232340, Subramaniam).

Regarding Claims 51, 64, Subramaniam discloses a method wherein receiving the plurality of search results generated responsive to the plurality of search queries further comprises receiving the plurality of search results responsive to a plurality of searches, each search of the plurality of searches directed to at least one of a local index of content stored on a client device and a global index of content on a network (Fig. 23, 2300, Subramaniam).

Regarding Claims 52, and 65, Subramaniam discloses a method wherein the search results comprise a first search result set and updating a display of search results responsive to

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receiving the plurality of search results further comprises combining the first result set with a second result set (Fig. 24, 2405, Subramaniam), the second result set comprised of results from previously generated search queries (Fig. 25, 2500, Subramaniam).

Regarding Claims 53, 66, and 77,, Subramaniam discloses a method further comprising defining a search result filter specifying restrictions for displaying search results, the restrictions based on at least one of query syntax, type of article displayed, Uniform Resource Locator, web site from which an article was retrieved, date on which an article was cached and a user-defined relevance metric (Fig. 24, 2410, Subramaniam).

Regarding Claims 54, 67, and 78, Subramaniam discloses a method wherein updating the display of search results responsive to receiving the plurality of search results further comprises filtering the display of search results based on the search result filter (Fig. 26, 2625, Subramaniam).

Regarding Claims 55, 68, and 79, Subramaniam discloses a method wherein updating the display of search results responsive to receiving the plurality of search results further comprises ranking the search results based at least in part on a history of user interactions with previously-displayed search results (Fig. 26, 2610, and 2620, Subramaniam).

Regarding Claim 56, Subramaniam discloses a method wherein ranking the search results further comprises ranking the search results based on the user-context attributes (Fig. 27, Priority is a way of ranking, Subramaniam).

Regarding Claim 58, Subramaniam discloses a computer-readable storage medium wherein the program code for monitoring user input to the client device further comprises program code for monitoring multiple types of user input (Fig. 1, 110, Subramaniam).

Regarding Claim 59, Subramaniam discloses a computer-readable storage medium wherein the program code for identifying the plurality of user-context attributes further comprises program code for extracting a term from a least a first event of the plurality of events (Fig. 6, 615, Subramaniam).

Regarding Claim 60, Subramaniam discloses a computer-readable storage medium wherein the program code for extracting the term from the first event comprises program code for identifying content unique to the first event and extracting the term from the content (Fig. 26, 2610, and 2620, Subramaniam).

Regarding Claim 61, Subramaniam discloses a computer-readable storage medium wherein the program code for identifying the plurality of user-context attributes further comprises program code for generating a term measure based on at least a first frequency that the extracted term occurs in at least one of the first event and an index of content (Fig. 9, 910, Subramaniam).

Regarding Claim 62, Subramaniam discloses a computer-readable storage medium wherein the program code for generating the plurality of search queries comprised of terms further comprises program code for generating a plurality of search queries comprised of terms selected responsive at least in part to the term measure (Fig. 10, 1015, Subramaniam).

Response to Arguments

Applicant's arguments with respect to claims 40-79 have been considered but are moot in view of the new ground(s) of rejection.

Point of Contact

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sana Al-Hashemi whose telephone number is 571-272-4013. The examiner can normally be reached on 8Am-4:30Pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Rones can be reached on 571-272-4085. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Sana Al-Hashemi/
Primary Examiner, Art Unit 2164